SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	Boise Moulding & Lumber Co., Inc.
STREET ADDRESS OR P.O. BOX	116 E. 44th St.
CITY	Boise
STATE	ID
ZIP	83714
PERSON TO CONTACT	Tom McCorkle
TITLE	President
PHONE NUMBER	208 322 6066
EXACT PLANT LOCATION	116 E 44th ct. Boise ID 83714
GENERAL NATURE OF BUSINESS	wood products mfgr. moulding, flooring, siding, doors etc.
NUMBER OF FULL-TIME EMPLOYEES	11
PROPERTY AREA (ACRES)	2
REASON FOR APPLICATION (1) Change of Owner or Location (2) Tier I Permit to Operate (3) Tier II Permit to Operate	3
DISTANCE TO NEAREST STATE BORDER (MILES)	60 mi
PRIMARY SIC	2431
SECONDARY SIC	—
PLANT LOCATION COUNTY	Ada
ELEVATION (FT)	2600
UTM ZONE	11
UTM (X) COORDINATE (KM)	560 2
UTM (Y) COORDINATE (KM)	4631 6

List all facilities with the State that are under your control or under common control and have emissions to the air. If none, so state.

NAME OF FACILITIES	LOCATION OF OTHER FACILITIES
None.	none
OWNER OR RESPONSIBLE OFFICIAL	
TITLE OF RESPONSIBLE OFFICIAL	

Based on information and belief formed after reasonable inquiry
I certify the statements and information in this document are accurate and complete.

SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL	DATE
Tom McCorkle	7-20-05

Permit No.: P-050036

Facility ID No.: 001-00130

PID: SSBG. 5121

Logged: ✓

RECEIVED
JUL 26 2005
DEPARTMENT OF ENVIRONMENTAL QUALITY BOISE REGIONAL OFFICE

RECEIVED
JUL 29 2005
Department of Environmental Quality State Air Program

SECTION 2: FUEL BURNING EQUIPMENT NONE

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION

STACK DESCRIPTION

BUILDING DESCRIPTION

MANUFACTURER | MODEL | DATE INSTALLED

DATE LAST MODIFIED

RATED CAPACITY (CHOOSE APPROPRIATE UNITS)

MILLION BTU/HR | 1000 LBS STEAM/HR | KILOWATTS | HORSEPOWER

BURNER TYPE | % USED FOR PROCESS

% USED FOR SPACE HEAT

FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: BURNER TYPE - 01) SPREAD STOKER; 02) CHAIN OR TRAVELING GRATE; 03) HAND FIRED; 04) CYCLONE FURNACE;
05) WET BOTTOM (PULVERIZED COAL); 06) DRY BOTTOM (PULVERIZED COAL);
07) UNDERFEED STOKERS; 08) TANGENTIALLY FIRED; 09) HORIZONTALLY FIRED; 10) AXIALLY FIRED;
11) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) USED OIL
06) WOOD CHIPS; 07) WOOD BARK; 08) WOOD SHAVINGS; 09) SANDER DUST;
10) SUBBITUMINOUS COAL; 11) BITUMINOUS COAL; 12) ANTHRACITE COAL; 13) LIGNITE COAL
14) PROPANE, 15) OTHER (SPECIFY)

SECTION 2, PART B

NO FUEL BURNING

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

cyclo 1

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Page 1/3

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	007 centrifugal collector				
STACK DESCRIPTION	007 cyclo 1 (cyclone #1)				
BUILDING DESCRIPTION	mill building				
MANUFACTURER	unknown	MODEL	high efficiency	DATE INSTALLED	1981
				DATE LAST MODIFIED	1998

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	mill mix wood dust	don't know	80 lb.	pounds
PRODUCT OUTPUT	same			
WASTE OUTPUT				
RECYCLE				

(8 hour day)

please see Attached emission factor page

POTENTIAL HAPS IN PROCESS STREAM(S) N/A

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT

Cyclo 1

SECTION 3, PART B

Page 2/3

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	8
DAY/WEEK	5
WEEKS/YEAR	50

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY (Cyclo 1)	SECONDARY
TYPE	Cyclone	
TYPE CODE (FROM APP. A)	007	
MANUFACTURER	unknown	
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	2600
UTM X COORDINATE (KM)	560.2
UTM Y COORDINATE (KM)	4631.6
STACK TYPE (SEE NOTE BELOW)	01
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	43
STACK EXIT DIAMETER (FT)	2 1/2
STACK EXIT GAS FLOWRATE (ACFM)	9 MCFM
STACK EXIT TEMPERATURE (DEG. F)	ambient

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10		7	99	.88			
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

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Emissions Estimating Form (FORM-H)
Emission Factors

Please complete this form for each emission source in your facility for which emissions are estimated using an emission factor. Enter "N/A" for any fields that are not applicable.

Facility: Boise Molding + Lumber SCC Code 3 0 7 6 0 8 0 8

Source ID: C Y C L 0 1 *Submit either FORM-C or FORM-D or FORM-E*

Stack Information: ☑ Stacked Emissions Stack ID: C Y C L 0 1 *Submit FORM-F*

☐ Fugitive Source (no stack)

Emissions Controlled? ☐ No ☑ Yes → Control ID: C Y C 1 *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Temporal Information

Percentage Seasonal Throughput (*Sum of the throughput Must equal 100%*):

Dec-Feb 25 Mar-May 25 Jun-Aug 25 Sep-Nov 25

Normal Operating Schedule (check box or fill in data below):

☐ Continuous Operation (7 days a week for 24 hours a day)

Hours/Day 8 Days/Week 5 Start Time 0700 (Military Time)

Emission Estimation 9000 scf 9.4*10^-5

Emissions = Activity Level (activity unit/year) x Emission Factor (lb/activity unit)
x (1-Overall Control Efficiency/100)

1995 Activity Level: 9000 **Units:** ☐ 1,000 Gal ☐ Ton ☐ Million Ft³ ☐ 1,000 lb ☐ Acre ☑ Other SCF

Pollutant	Emission Factor	Units for Emission Factor	Emission Factor Code*	Overall Control Efficiency (%)	Emissions (Pounds per Year)
PM_{10}†	9.4×10^{-5}	lb/hr-SCF	7	N/A	1760
NO_x					
SO_x					
NH_3					

Specify Detailed Reference for Emission Factors: Idaho DEQ Emission Factor Guide for Wood Industry - High Efficiency cyclone for mill mix converted from lb/scf to lb/scf

* **Emission Factor Codes**

1 = Source Test Measurements
2 = Continuous Emissions Monitoring
3 = Best Guess/ Engineering Estimate
4 = Material Balance
5= EPA AP-42
6 = FIRE Emission Factor from Table 2
7 = State or Local Emission Factor

† Do not use the results from EPA Method 5 and 5A source tests for estimating PM_{10} emissions. The source methods do not estimate PM_{10} emissions.

cyclo 2

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Page 1/3

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	007 centrifugal collector				
STACK DESCRIPTION	007 Cyclo 2 (cyclone #2)				
BUILDING DESCRIPTION	mill building				
MANUFACTURER	unknown	MODEL	high efficiency	DATE INSTALLED	1998
				DATE LAST MODIFIED	

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	mill mix wood dust	don't know	90 lb.	pounds
PRODUCT OUTPUT	same			
WASTE OUTPUT				
RECYCLE				

(8 hour day)

please see attached emission factor page

POTENTIAL HAPS IN PROCESS STREAM(S) N/A

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT

cyclo 2

SECTION 3, PART B

Page 2/3

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	8
DAY/WEEK	5
WEEKS/YEAR	50

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY (cyclo 2)	SECONDARY
TYPE	cyclone	
TYPE CODE (FROM APP. A)	007	
MANUFACTURER	unknown	
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	2600
UTM X COORDINATE (KM)	560 2
UTM Y COORDINATE (KM)	4631 6
STACK TYPE (SEE NOTE BELOW)	01
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	ambient

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10		7	99	.98			
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

Cycle 2

Pg 3/3

Emissions Estimating Form (FORM-H)
Emission Factors

Please complete this form for each emission source in your facility for which emissions are estimated [illegible] using an emission factor. Enter "N/A" for any fields that are not applicable.

Facility: Boise Cascade Lumber SCC Code 3 0 7 0 0 8 0 8

Source ID: C Y C L 0 2 *Submit either FORM-C or FORM-D or FORM-E*

Stack Information: ☑ Stacked Emissions Stack ID: C Y C 1 0 2 *Submit FORM-F*

☐ Fugitive Source (no stack)

Emissions Controlled? ☐ No - ☑ Yes → Control ID: C Y C 2 *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Temporal Information

Percentage Seasonal Throughput (*Sum of the throughput Must equal 100%*):

Dec-Feb 25 Mar-May 25 Jun-Aug 25 Sep-Nov 25

Normal Operating Schedule (check box or fill in data below):

☐ Continuous Operation (7 days a week for 24 hours a day)

Hours/Day 8 Days/Week 5 Start Time 0700 (Military Time)

Emission Estimation

Emissions = Activity Level (10000 SCF activity unit/year) x Emission Factor (9.4*10-5 lb/hr-SCF lb/activity unit)

x (1-Overall Control Efficiency/100)

1995 Activity Level: 10000 **Units:** ☐ 1,000 Gal ☐ Ton ☐ Million Ft³ ☐ 1,000 lb ☐ Acre ☑ Other SCF

Pollutant	Emission Factor	Units for Emission Factor	Emission Factor Code*	Overall Control Efficiency (%)	Emissions (Pounds per Year)
PM_{10}†	$9.4*10^{-5}$	lb/hr-SCF	7	N/A	1960
NO_x					
SO_x					
NH_3					

Specify Detailed Reference for Emission Factors: Idaho DEQ Emission Factor Guide for Wood Industry - high efficiency cyclone for mill mix converted from lb/SCF to lb/SCF

* **Emission Factor Codes**

1 = Source Test Measurements 4 = Material Balance 7 = State or Local Emission Factor

2 = Continuous Emissions Monitoring 5= EPA AP-42

3 = Best Guess/ Engineering Estimate 6 = FIRE Emission Factor from Table 2

† Do not use the results from EPA Method 5 and 5A source tests for estimating PM_{10} emissions. The source methods do not estimate PM_{10} emissions.

cyclo 3

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

Page 1/3

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	007 centrifugal collector				
STACK DESCRIPTION	007 cyclo 3 (cyclone #3)				
BUILDING DESCRIPTION	mill building				
MANUFACTURER	unknown	MODEL	high efficiency	DATE INSTALLED	1998
				DATE LAST MODIFIED	

PROCESSING DATA

PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS
INPUT	mill mix wood dust	don't know	9.0 lb.	pounds
PRODUCT OUTPUT	same			
WASTE OUTPUT				
RECYCLE				

(8 hour day)

please see attached emission factor page

POTENTIAL HAPS IN PROCESS STREAM(S) N/A

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCLE STREAM BY WEIGHT

cyclo 3

SECTION 3, PART B

page 2/3

OPERATING DATA

actual sander operation time average ½ hr./day 5 days a week 50 weeks per year

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	8
DAY/WEEK	5
WEEKS/YEAR	50

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY (cyclo 3)	SECONDARY
TYPE	cyclone	
TYPE CODE (FROM APP. A)	007	
MANUFACTURER	unknown	
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	2600
UTM X COORDINATE (KM)	560 2
UTM Y COORDINATE (KM)	4631 6
STACK TYPE (SEE NOTE BELOW)	01
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	23
STACK EXIT DIAMETER (FT)	3
STACK EXIT GAS FLOWRATE (ACFM)	10 mcfm
STACK EXIT TEMPERATURE (DEG. F)	ambient

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

cyc03

Emissions Estimating Form (FORM-H)
Emission Factors

Please complete this form for each emission source in your facility for which emissions are estimated using an emission factor. Enter "N/A" for any fields that are not applicable.

Facility: Boise Marketing & Lumber SCC Code 3 0 7 0 0 5 0 8

Source ID: C Y C 1 0 3 *Submit either FORM-C or FORM-D or FORM-E*

Stack Information: ☑ Stacked Emissions Stack ID: C Y C 1 0 3 *Submit FORM-F*

☐ Fugitive Source (no stack)

Emissions Controlled? ☐ No ☑ Yes → Control ID: C Y C 3 *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Control ID: ☐☐☐☐ *Submit FORM-G*

Temporal Information

Percentage Seasonal Throughput (*Sum of the throughput Must equal 100%*):

Dec-Feb 25 Mar-May 25 Jun-Aug 25 Sep-Nov 25

Normal Operating Schedule (check box or fill in data below):

☐ Continuous Operation (7 days a week for 24 hours a day)

Hours/Day 8 Days/Week 5 Start Time 0700 (Military Time)

Emission Estimation

Emissions = Activity Level (activity unit/year) x Emission Factor (lb/activity unit)
x (1-Overall Control Efficiency/100)

1995 Activity Level: 10000 **Units:** ☐ 1,000 Gal ☐ Ton ☐ Million Ft^3 ☐ 1,000 lb ☐ Acre ☑ Other SCF

Pollutant	Emission Factor	Units for Emission Factor	Emission Factor Code*	Overall Control Efficiency (%)	Emissions (Pounds per Year)
PM_{10}†	9.4×10^{-5}	lb/hr-SCF	7	N/A	1960
NO_x					
SO_x					
NH_3					

Specify Detailed Reference for Emission Factors: Same as CYC102

* **Emission Factor Codes**

1 = Source Test Measurements 4 = Material Balance 7 = State or Local Emission Factor
2 = Continuous Emissions Monitoring 5= EPA AP-42
3 = Best Guess/ Engineering Estimate 6 = FIRE Emission Factor from Table 2

† Do not use the results from EPA Method 5 and 5A source tests for estimating PM_{10} emissions. The source methods do not estimate PM_{10} emissions.

SECTION 4: WASTE INCINERATION

we don't do any burning

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION

STACK DESCRIPTION

BUILDING DESCRIPTION

MANUFACTURER | MODEL | DATE INSTALLED

DATE LAST MODIFIED

INCINERATOR TYPE | RATED HEATING CAPACITY (MILLION BTU/HOUR)

PRIMARY COMBUSTION CHAMBER DATA

WASTE RETENTION TIME (MINUTES)		MINIMUM TEMPERATURE (DEG. F)		COMBUSTION AIR FEED RATE (ACFM)	
BURNER TYPE		PERCENT OVERFIRE AIR		GAUGE PRESSURE (IN. H20)	
		PERCENT UNDERFIRE AIR			

PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPE 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;

05) OTHER (SPECIFY)

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;

04) OTHER (SPECIFY)

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE

06) OTHER (SPECIFY)

SECTION 4, PART A

We don't do any burning

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER VOLUME (CUBIC FEET) [ ]

MINIMUM TEMPERATURE (DEG. F) [ ]

COMBUSTION AIR FEED RATE (SCFM) [ ]

GAUGE PRESSURE (INCHES WATER) [ ]

BURNER TYPE
(1) AXIAL FIRING
(2) RADIAL FIRING
(3) TANGENTIAL FIRING
(4) OTHER [ ]

SECONDARY PRIMARY CHAMBER FUEL DATA

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
FUEL CODE (SEE NOTE)				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				

NOTE: INCINERATOR TYPES 01) SINGLE CHAMBER; 02) MULTIPLE HEARTH; 03) ROTARY KILN; 04) FLUIDIZED BED;
05) OTHER (SPECIFY) [ ]

BURNER TYPE - 01) AXIAL FIRING; 02) RADIAL FIRING; 03) TANGENTIAL FIRING;
04) OTHER (SPECIFY) [ ]

FUEL CODES - 01) NATURAL GAS; 02) #1 OR #2 FUEL OIL; 03) #4 FUEL OIL; 04) #5 OR #6 FUEL OIL; 05) PROPANE
06) OTHER (SPECIFY) [ ]

PRIMARY CHAMBER MONITORING AND COMBUSTION CONTROLS

SECONDARY CHAMBER MONITORING AND COMBUSTION CONTROLS

SECTION 4, PART A

we don't do any burning

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
WASTE DESCRIPTION				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN				
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				
METHOD OF ASH DISPOSAL				

POTENTIAL HAPS IN WASTES

HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED BY WEIGHT	FRACTION IN BOTTOM ASH BY WEIGHT	FRACTION IN FLY ASH BY WEIGHT

SECTION 4, PART B

we don't do any burning.

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

N/A

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION

STACK DESCRIPTION

BUILDING DESCRIPTION

DATE INSTALLED

DATE LAST MODIFIED

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION

TANK CAPACITY (GALLONS)

ANNUAL THROUGHPUT (GALLONS)

TANK TYPE

PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF
(02) FLOATING ROOF (OR INTERNAL COVER)
(03) VARIABLE VAPOR SPACE
(04) PRESSURE TANK
(05) UNDERGROUND - SPLASH LOADING
(06) OTHER

SOURCE

PLEASE CHOOSE FROM BELOW
(01) PIPELINE
(02) RAIL CAR
(03) TANK TRUCK
(04) SHIP BARGE
(05) OTHER

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT

TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)

TANK SURFACE AREA (SQ. FT)

METHOD OF VAPOR RECOVERY
Please choose from below:
(01) Incineration
(02) Refrigerated Liquid Scrubber
(03) Refrigerated Condenser
(04) Carbon Adsorption
(05) Vapor Return System
(06) No Recovery System
(07) Other

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE

NUMBER OF OPEN-ENDED LINES

NUMBER OF PUMP SEALS

NUMBER OF SAMPLING CONNECTIONS

NUMBER OF IN-LINE VALVES

NUMBER OF SAFETY RELIEF VALVES

NUMBER OF SAMPLING CONNECTIONS

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT

SECTION 5, PART B

N/A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: LOADING RACKS N/A

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: LOADING RACK DATA

PROCESS CODE OR DESCRIPTION

STACK DESCRIPTION

BUILDING DESCRIPTION

DATE INSTALLED

DATE MODIFIED

TYPE OF LOADING

Please choose from the following:

(01) Overhead loading - splash fill, normal service;
(02) Overhead loading - splash fill, balanced serviced;
(03) Overhead loading - submerged fill, normal service;
(04) Overhead loading - submerged fill, balanced service;
(05) Bottom loading - normal service;
(06) Bottom loading - balanced service

LOADING ARM VAPOR CLOSURE

Please choose from the following:

(01) Incineration
(02) GREENWOOD
(03) SOCO
(04) CHICKSAN
(05) None - open to air
(06) Other

MATERIAL LOADED

ANNUAL THROUGHPUT (GAL.)

REID VAPOR PRESSURE (PSI)

MAXIMUM MATERIAL TEMPERATURE (DEG. F)

AVERAGE MATERIAL TEMPERATURE (DEG. F)

SECTION 6, PART B

N/A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

Loadout bin

SECTION 7: SOLID MATERIAL TRANSPORT, HANDLING, AND STORAGE

Page 1/2

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	dam shell into truck		
STACK DESCRIPTION	~40 yard hopper		
BUILDING DESCRIPTION	N/A		
DATE INSTALLED OR LAST MODIFIED	1998	DATE LAST MODIFIED	
MATERIAL DESCRIPTION	mill mix wood dust		

please see attached load out bin emission factor page

MATERIAL TRANSFER RATES

MAXIMUM HOURLY TRANSFER RATE (UNITS/HOUR)	4½ Tons when dumping
NORMAL HOURLY TRANSFER RATE (UNITS/HOUR)	4½ Tons only when dumping (~10 minutes)
NORMAL ANNUAL TRANSFER RATE (UNITS/YEAR)	260 T
UNIT OF MEASURE	Tons

~~BELT CONVEYOR~~/VEHICLE TRANSFER – dump

NUMBER OF TRANSFERS	1 or 2 per week	MATERIAL MOISTURE CONTENT (WEIGHT PERCENT)	average ~12%	MAXIMUM HOURLY WIND SPEED (MPH)	30 est.
CONVEYORS ENCLOSED? (Y/N)	N/A	CONVEYORS IN BUILDINGS? (Y/N)	NO	AVERAGE HOURLY WIND SPEED (MPH)	2 1/2 EST.
TRANSFERS ENCLOSED? (Y/N)	partially	TRANSFERS IN BUILDINGS? (Y/N)	NO		

PNEUMATIC CONVEYOR TRANSFERS

MATERIAL MOISTURE CONTENT (WEIGHT PERCENT)	~12%		
PRIMARY SEPARATOR TYPE	007	PRIMARY SEPARATOR PERCENT EFFICIENCY	99
SECONDARY SEPARATOR TYPE	007	SECONDARY SEPARATOR PERCENT EFFICIENCY	99

MATERIAL STORAGE DATA

PILE? (Y/N)		STORAGE CAPACITY	1200	PILE LENGTH (FT.)	
SILO? (Y/N)		STORAGE CAPACITY UNITS	cu. ft.	PILE WIDTH (FT.)	
OTHER STORAGE TYPE DESCRIPTION	hopper			PILE HEIGHT (FT.)	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT

loadout bin

SECTION 7, PART B

page 3/3

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED (Y/N)?	
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING/AREA LENGTH (FT)	
BUILDING/AREA WIDTH (FT)	

~~STACK~~ hopper DATA

GROUND ELEVATION (FT)	7600
UTM X COORDINATE (KM)	560 2
UTM Y COORDINATE (KM)	4316
STACK TYPE (SEE NOTE BELOW)	01
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	15
STACK EXIT DIAMETER (FT) 4'x 10'	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

with gates fully opened

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENC
PM							
PM-10							
SO2							
CO							
NOX							
VOC							
LEAD							

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

Page 3/3

Updated New

Fugitive Dust Emission Form (FORM II)
Transfer, Conveying Operations

Please complete this form for each transfer or conveying operation at your facility. Transfer or conveying operations can include, but are not limited to, the following types of procedures: 1) truck dumping on a pile; 2) loading out from a pile to a truck; and 3) continuous drop operations from belt or pneumatic conveyors. If you completed FORM II for this emission source already, do not include the emissions on this form because it will cause double counting of the emissions. Enter "N/A" for any fields that are not applicable.

Facility: _____ SCC Code (See Table 2) 3 0 7 0 0 8 0 8

Source ID: L O A D O U *Submit FORM-D for each emission source*

Emissions Controlled? ☑ No ☐ Yes → Control ID: ☐☐☐☐ Control ID: ☐☐☐☐ Control ID: ☐☐☐☐

Submit FORM-G for each control identified above

Temporal Information

Percentage Seasonal Usage (*Sum of the Usage Must equal 100%*):

Dec-Feb 25 Mar-May 25 Jun-Aug 25 Sep-Nov 25

Normal Operating Schedule for Transfer System:

Hours/Day 0.25 Days/Week 1 Start Time varied (Military Time)

Provide Reference for Moisture Content Provided Below: _____

PM_{10} Emission Estimation

Material	From	To	Transfer Method	Quantity Transferred in Tons/Day (Q)	Days Per Year Operating (O)	Moisture Content of Transferred Material in % (M)	Overall Control Efficiency in % (C)	Emissions (pounds/year) (F_i)
Waste Rock	*Quarry*	*Waste Rock Pile*	*Truck*	*960*	*208*	*2.0*	*0*	*409*
Mill Mix	Storage bin	truck	Dump	~~X~~ 5	62	17	50	0.32

Emission Estimation Equation[‡]: $F_i \text{ (pounds/year)} = 0.0054 \times Q \times O \times \left(\frac{1}{M}\right)^{1.4} \times \left(1 - \frac{C}{100}\right)$

‡ Source: AP-42, Chapter 13.2.4 (Fifth Edition)

we do not have enough roadway area & vehicle traffic to contribute significantly to pollution effect

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

ROAD DESCRIPTION

PAVED? (Y/N)

LENGTH (FT.)

WIDTH (FT.)

BEGINNING COORDINATES		END COORDINATES	
UTM-X (KM)	UTM-Y (KM)	UTM-X (KM)	UTM-Y (KM)

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SPEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)

DATA: UNPAVED ROADS

VEHICLE DESCRIPTION	VEHICLE EMPTY WEIGHT (TONS)	VEHICLE FULL WEIGHT TONS	NUMBER OF WHEELS PER VEHICLE	NUMBER OF DAYS >0.01 INCHES PRECIPITATION

DATA: PAVED ROADS

NUMBER OF LANES	INDUSTRIAL AUGMENTATION FACTOR	DUST LOADING (LB/MILE)

ROAD DUST CHEMICAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN ROAD DUST BY WEIGHT

SECTION 8, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAY/WEEK	
WEEKS/YEAR	

FUGITIVE DUST CONTROL DATA

PARAMETER	PRIMARY	SECONDARY
CONTROL DESCRIPTION		
CONTROL CODE (APPENDIX A)		
MINIMUM DAILY APPLICATIONS OF CONTROL		
MAXIMUM DAILY APPLICATIONS OF CONTROL		
AVERAGE ANNUAL APPLICATIONS OF CONTROL		
AMOUNT APPLIED (UNITS/APPLICATION)		
UNITS FOR APPLICATION AMOUNT		

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
LEAD							

NOTES: IN LBS/UNIT. USE UNITS OF VEHICLE MILES TRAVELED (VMT).

7-25-05

NARRATIVE DESCRIPTION OF THE FACILITY AND THE PROCESS.

Boise Moulding & Lumber Co is a custom woodwork manufacturer. We are seeking a permit to run our dust collection system to handle mill mix wood shavings & dust from our shop located at 116 E 44th st. in Garden City ID 83714.

We want to run 3 cyclones (numbers 1, 2 & 3) and a truck loadout bin. Wood dust will be collected from our processing machinery and carried through duct work, to the truck loadout.

We Typically run our shop for one 8 hour shift per day, 5 days a week, observing the usual holidays throughout the year. Overtime is sometimes necessary.

Our milling equipment is described in the following list. - 3 moulding machines, 1 four sided planer, 1 straight line edger, 1 sander, 1 single surfacer & 1 resaw.

With this machinery we produce wood mouldings, flooring, siding, Tongue & groove paneling and decking.

In addition to the above equipment we have various smaller machines used in the production of benchwork or assembled items such as doors, cabinets, miscellaneous stair parts and cabinets. These benchwork machines are a panel saw, a single surfacer, 3 cutoff saws, 2 bandsaws 3 shapers, 3 table saws, 3 routers and 3 small sanders.

These smaller machines are not hooked up to the

Narrative Description — 7-26-05

Central dust collecting system. They are used with small collectors inside the building which are emptied into the main system each day.

The milling machinery which will be connected to the main dust system will be equipped with dust hoods at all chip producing stations on each machine. The flow of air to these stations will be controlled by blast gates which can be closed when a machine is not in use thus making air capacity available for other machines.

Lumber is stored in our yard and is brought into the shop and processed. Usually the flow goes to the mill side first where it is turned into products needing no further processing or it is prepared for the benchwork shop where further machining and assembly are carried out. Since this company will do only custom work the flow pattern of goods from raw material to finished product is constantly changing.

Cyclone #1 receives sawdust & shavings from a 4"x6" moulder, 1 single surfacer, 1 rip saw, 1 resaw and a straight line edger. Air for this cyclone is handled by a 40 hp. blower. These machines are not all run at the same time. Air capacity is regulated by blast gates.

Cyclone #2 receives shavings from a 4"x12" moulder & 4"x6" moulder and a 6"x15" planer. The air for cyclone #2 is handled by a 60hp blower. Blast gates are

Narrative Description—

opened to the machines when they are being run.

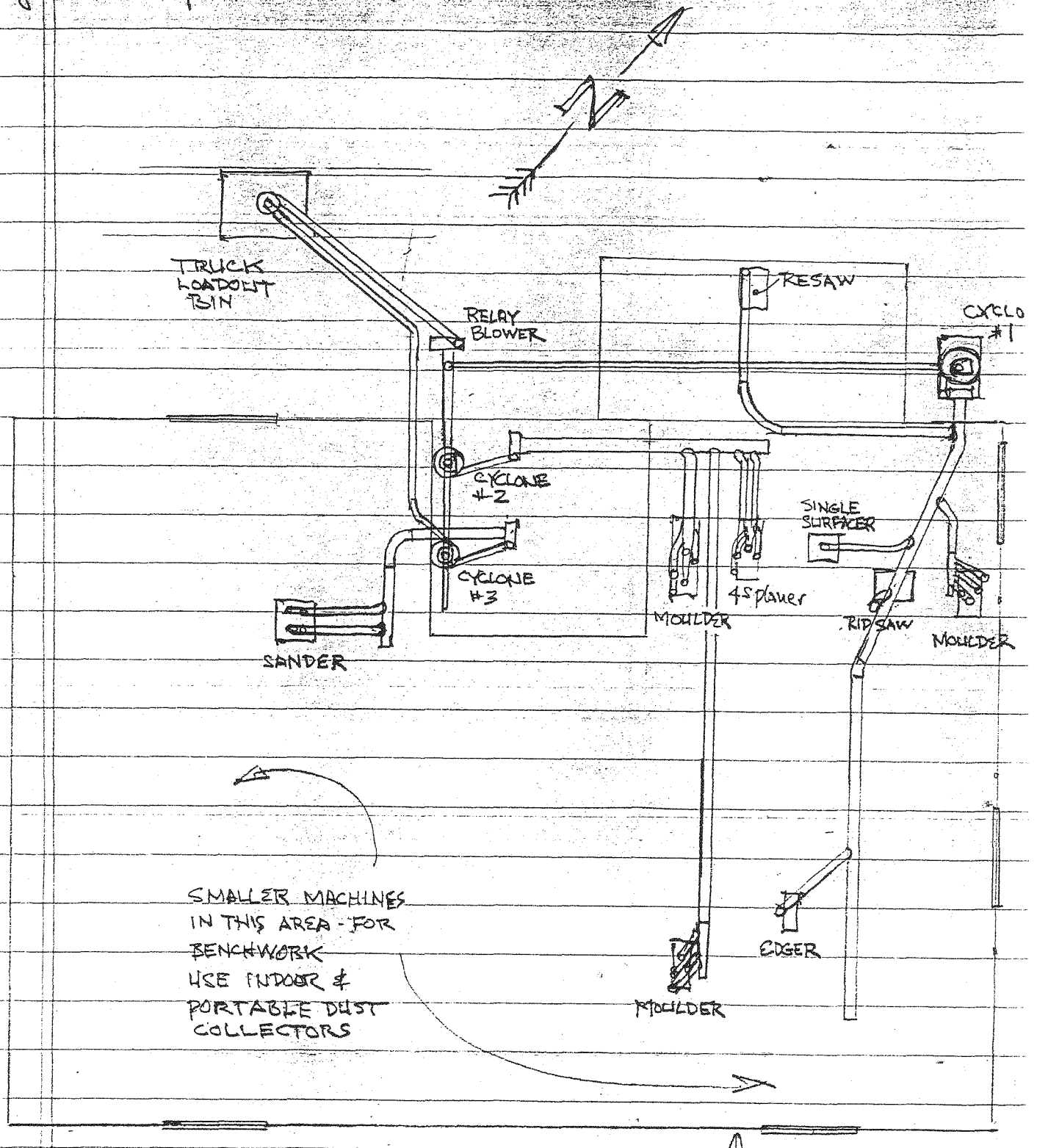
Cyclone #3 receives sanding dust from a 6"x52" sander. The air for cyclone #3 is handled by a 60hp blower.

These 3 cyclones are of the high efficiency design having a cone length of 2 or more times their diameter.

Cyclone #1 is 7' in diameter Cyclone #2 is 89" in diameter & Cyclone #3 is 8' in diameter.

7-26-05

page 1 of 1 process layout



OSAGE ST

SHOP BUILDING

SCALE 1" = 20'

135' to E. 44th St

T-2605

page 1 of 1

DESCRIPTION OF POTENTIAL FUGITIVE EMISSIONS.

The greatest likelihood for potential fugitive emissions of wood waste would come from a sawdust spill. This could occur at the loadout bin if a truck gets too full or if there is some improper handling of the loadout equipment i.e. The doors on the bin not being securely closed. These possibilities although unlikely could be quickly corrected and any spillage could be contained.

There are always at least 2 people manning the bin when it is dumped and water is always sprayed on the ground, on the sides of the trucks and on the frame of the bin to wash down any loose particles of millmix wood dust.

After the truck has tarped and pulled out the ground is raked and swept and any small amount of dust that may have spilled is placed quickly in our dumpster. We strive at all times to keep this loadout process under control.

Recently we have added a curtain made of tarps which surrounds the legs of our loadout bin - we are hoping this will prevent any wood dust from becoming airborn during the dumping of the bin.

9-26-05

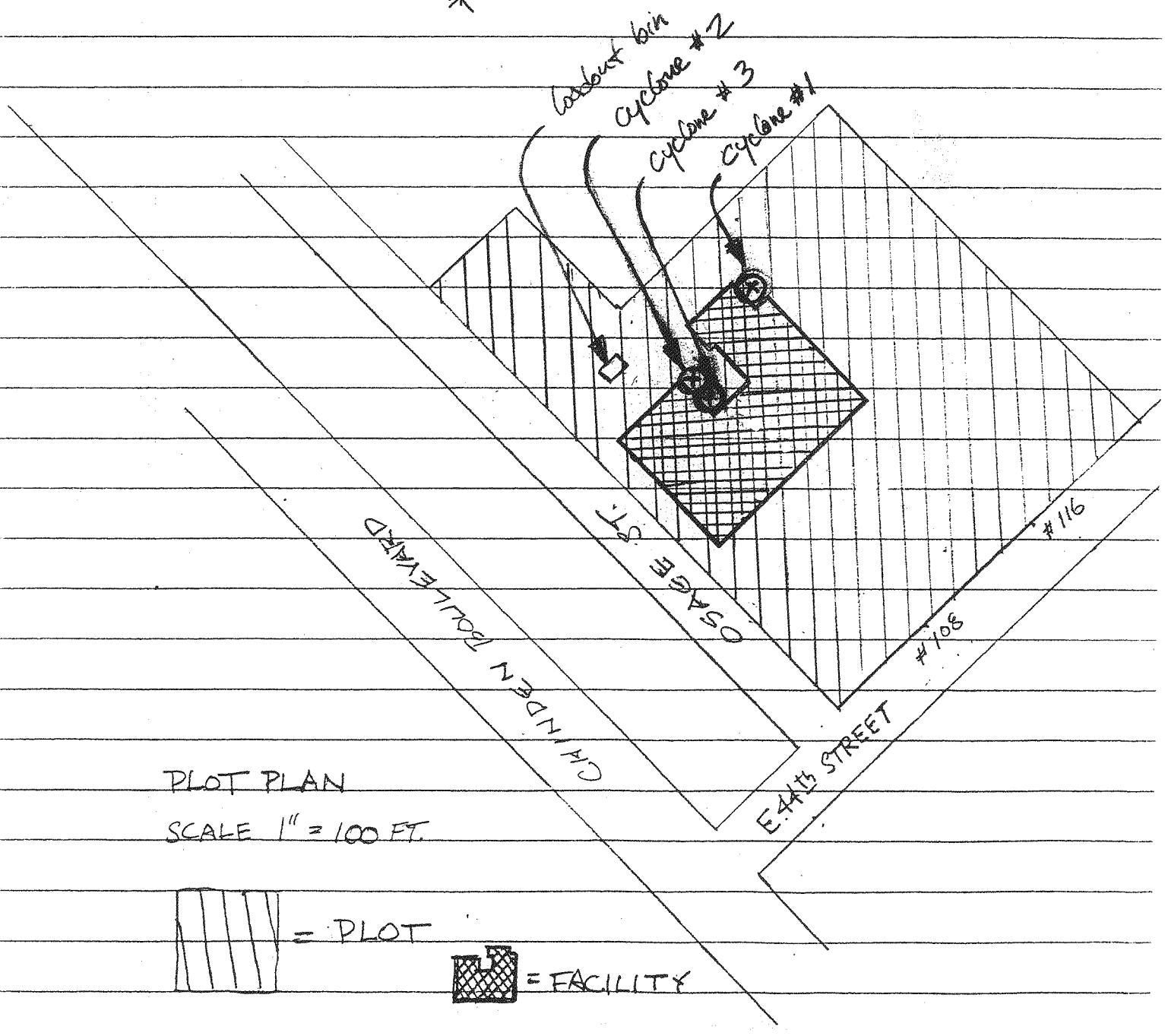
SCALED PLOT PLAN

Page 1 of 1

LOCATION MAP

GARDEN CITY, ID 83714

ADDRESS 116 E 44th STREET



PLOT PLAN

SCALE 1" = 100 FT.

= PLOT

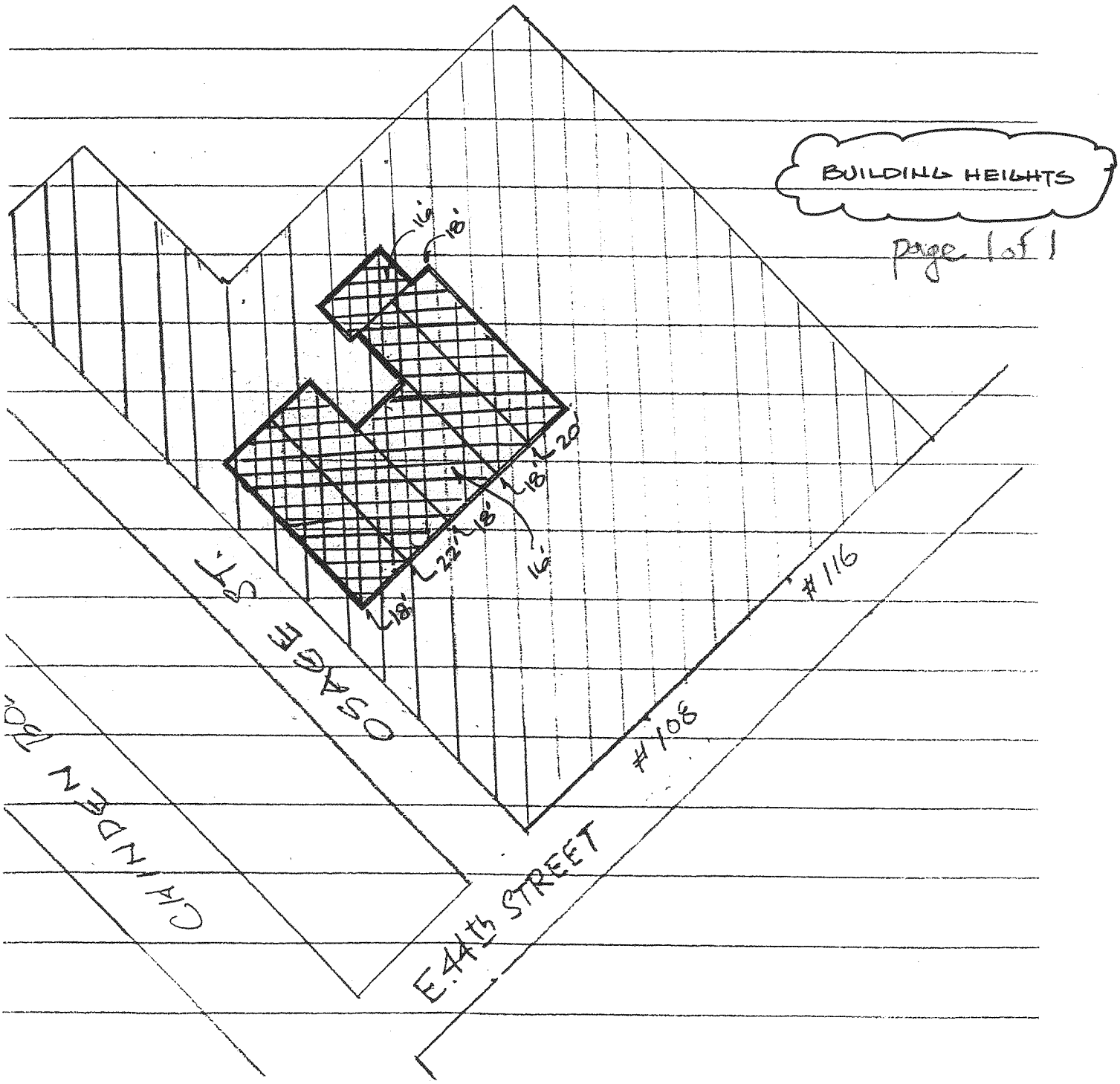
= FACILITY

LOCATION MAP

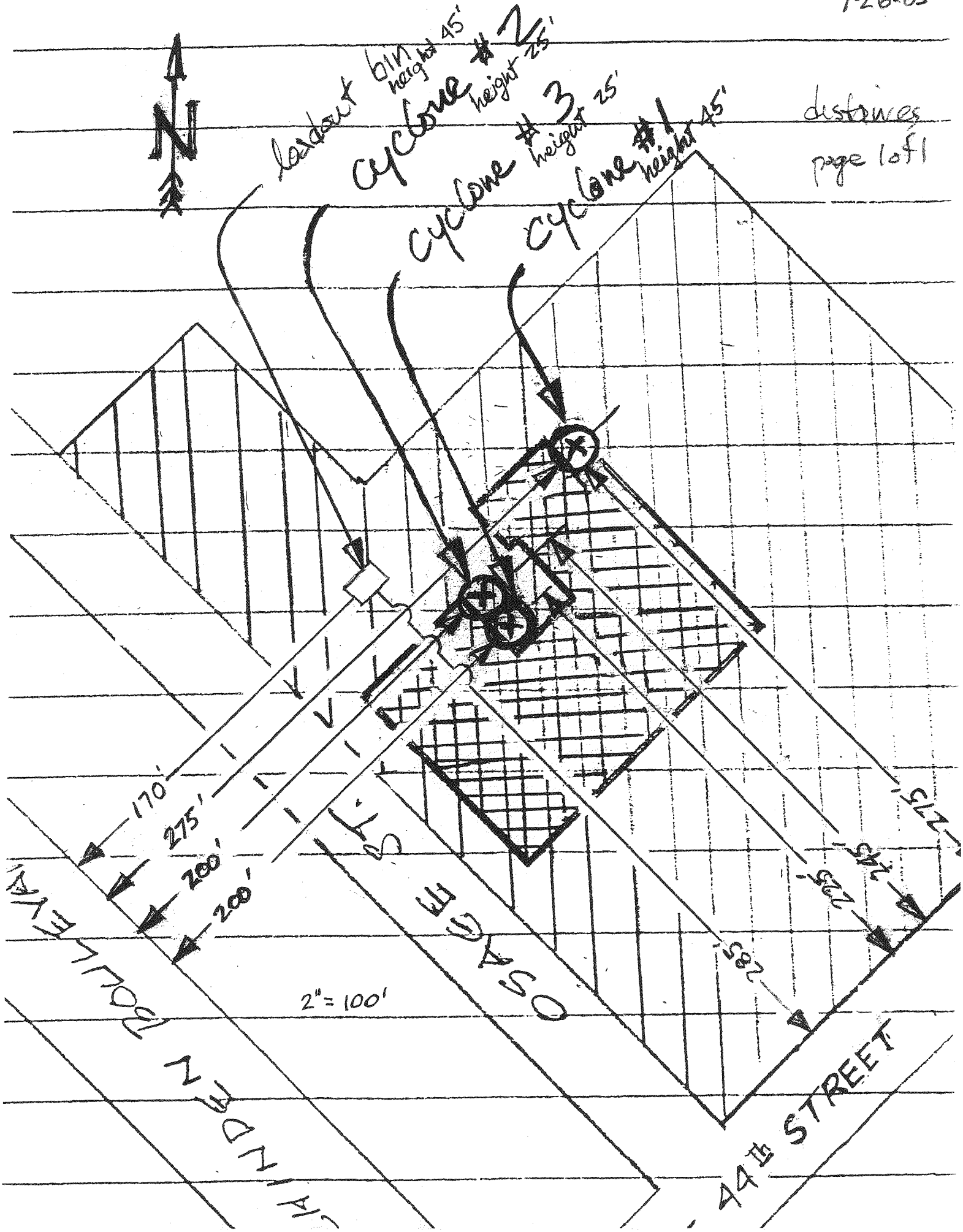
7-26-05

GARDEN CITY, ID 83714

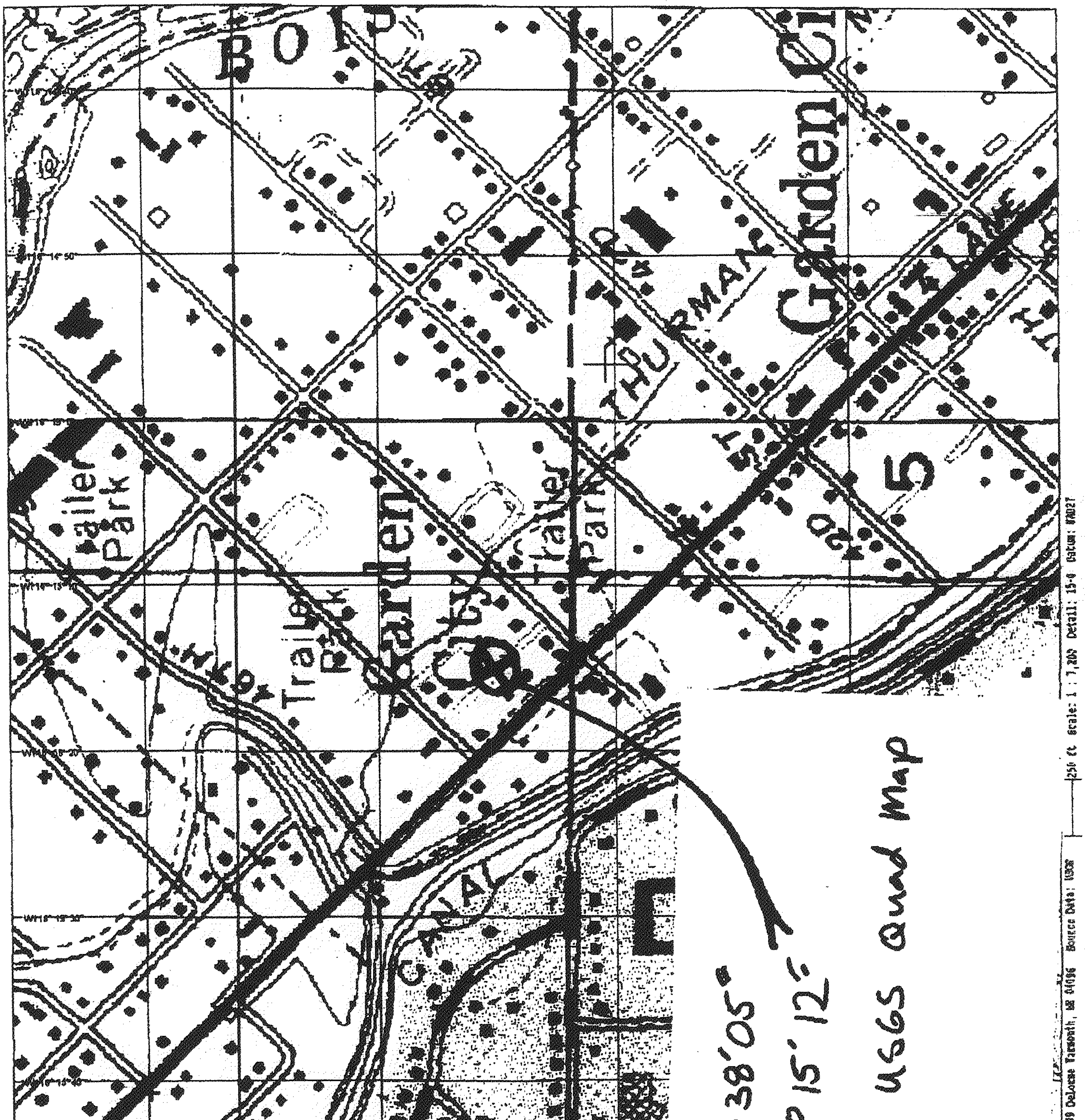
ADDRESS 116 E 44th STREET



7-26-05


N
loadout bin height 45'
cyclone #2 height 25'
cyclone #3 height 25'
cyclone #1 height 45'
distances
page 1 of 1
170'
275'
200'
200'
285'
225'
245'
275'
2" = 100'
44th STREET

7-26-05


Garden City
Trailer Park
THURMAN
5
N43° 38' 05"
W 116° 15' 12"
From USGS Quad Map